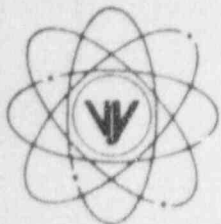


VERMONT YANKEE NUCLEAR POWER CORPORATION



Ferry Road, Brattleboro, VT 05301-7002

REPLY TO
ENGINEERING OFFICE
580 MAIN STREET
BOLTON, MA 01740
(508) 779-6711

May 24, 1995
BVY 95-55

United States Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

- References:
- (a) License No. DPR-28 (Docket No. 50-271)
 - (b) USNRC Generic Letter 94-03, dated July 25, 1994
 - (c) Letter, VYNPC to USNRC, BVY 94-82, dated August 17, 1994
 - (d) Letter, VYNPC to USNRC, BVY 94-125, dated December 15, 1994
 - (e) Letter, VYNPC to USNRC, BVY 95-45, dated April 21, 1995
 - (f) Letter, USNRC to VYNPC, NVY 95-55, dated April 27, 1995

Subject: Generic Letter 94-03, "Intergranular Stress Corrosion Cracking of Core Shrouds in BWRs"

The purpose of this letter is to provide Vermont Yankee's formal response to Generic Letter 94-03 under the provisions of 10CFR50.54(f).

Vermont Yankee initially responded to the Generic Letter via Reference (c) and committed to inspect the core shroud during the scheduled Spring, 1995 refueling outage. Our inspection plans were submitted to NRC via Reference (d) in accordance with the Generic Letter, and were discussed in detail during a public meeting held at NRC headquarters on March 9, 1995.

To support an expedited NRC staff review, Vermont Yankee had previously transmitted the results from the Spring, 1995 refueling outage core shroud inspection, along with supplementary review material, via mail and/or facsimile. At the direction of NRC, all items were transmitted directly to the NRC/NRR Project Manager, who subsequently docketed them. An additional document, Reference (e), constituted a General Electric proprietary document and was sent separately under the provisions of 10CFR2.790 to assist the staff review effort. NRC issued a Safety Evaluation Report (SER) via Reference (f) which provided staff concurrence that the Vermont Yankee core shroud is acceptable for at least one additional cycle of operation.

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Page 2

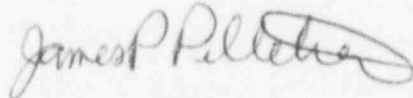
Enclosure A provides a listing of the documents previously transmitted to NRC which form the basis for our core shroud evaluation. Additionally, we have updated Item 4 as part of our evaluation closure efforts. This document is listed in Enclosure A as Item 7, and is attached as Enclosure B for your reference. This updated document does not change the conclusions of our initial evaluation.

We have reviewed the staff's recently issued SER [Reference (f)]. We note that Page 5 states that weld H7 is only acceptable for one cycle of operation. Our understanding (based on Enclosure A, Item 4, which is referenced in the SER) is that weld H7 is acceptable for a minimum of two cycles of operation.

We trust that this information sufficiently addresses our response commitments to the subject Generic Letter.

Sincerely,

VERMONT YANKEE NUCLEAR POWER CORP.



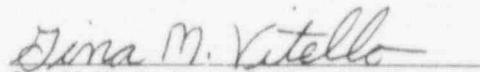
James P. Pelletier
Vice President - Engineering

Enclosures

cc: USNRC Project Manager - VYNPS
USNRC Region I Administrator
USNRC Resident Inspector - VYNPS

STATE OF VERMONT)
) ss
WINDHAM COUNTY)

Then personally appeared before me, James P. Pelletier, who, being duly sworn, did state that he is Vice President - Engineering, of Vermont Yankee Nuclear Power Corporation, that he is duly authorized to execute and file the foregoing document in the name and on the behalf of Vermont Yankee Nuclear Power Corporation, and that the statements therein are true to the best of his knowledge and belief.



Gina M. Vitello, Notary Public
My Commission Expires February 10, 1999



ENCLOSURE A

Items previously transmitted to and docketed by NRC:

1. Memorandum, S.R. Miller to R.D. Pagodin (OPVY 247/95) "Vermont Yankee Core Shroud Inspection and Flaw Evaluation," dated April 14, 1995, with attached Memorandum, C.B. Larsen to S.R. Miller (OPVY 246/95) "Vermont Yankee Core Shroud Inspection and Flaw Evaluation," dated April 13, 1995.
2. Memorandum, C.B. Larsen to S.R. Miller (OPVY 246/95 Rev. 1) "Vermont Yankee Core Shroud Inspection and Flaw Evaluation," dated April 24, 1995.
3. General Electric Company Topical Report GENE-523-A018-0295, "Duane Arnold and Vermont Yankee Shroud Safety Assessment," dated April 18, 1995.
4. Vermont Yankee Core Shroud Evaluation, VYC-1364, Draft (undated).
5. Boiling Water Reactor Vessel and Internals Project (BWRVIP) "BWR Core Shroud Inspection and Evaluation Guidelines," Rev. 1, dated April 21, 1995.
6. Memorandum, C.B. Larsen to S.R. Miller, "Uncertainty of Through-Wall Sizing for BWNT Core Shroud Ultrasonic Technique," dated April 21, 1995.

Items attached to this submittal:

7. Vermont Yankee Core Shroud Evaluation, VYC-1364, Rev. 1 - attached as Enclosure B (a finalized version of Item 4 above).

ENCLOSURE B

YNSD Calculation VYC-1364, Revision 1

"Vermont Yankee Core Shroud Flaw Evaluation"